Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No. 2nd & Final Bill Date:

Division: EE (Yelahanka Division), Yelahanka Zone Sub-Division: Yelahanka & Yelahanka Stallite Town Sub Division

YNK-DBR No.....
Date Dated.....

Bill Received No.....Cash Book Voucher No.....dated.....

Scheduled Docket No.

Name of Work (as per sanctioned estimate): Improvements of Roads , Development of Parks and Construction of Buildings in Ward No 01,02,03 & 04 of Yelahanka Division Under 2021-22 District Minister Grants. (Package-15)

Reference to Agreement No: BBMP/EE/YNK.D/EPMT-14/AG/78/2021-22, Date: ~~14-02-2022~~ 9-3-2022

Work order No: BBMP/EE/YNK.D/EPMT-14/W.O/129/2021-22, Date: 10-03-2022

Job Code: 003-22-000016 Budget head: P-3075 Est. cost: 970.00 lakhs

Name of Contractor and Full Address: Sri.K. Lakshmi Narayana Reddy

Certified that the measurements were taken by me on 13/06/2022 and recorded of Pages: 586339 to 586352 of measurement Book No: 5864 and that the work is satisfactorily executed.

K. Lakshmi Narayana Reddy — Contractor

Asst. Engineer. (Yld No.02) 13/06/2022

Certified that the measurements were verified by me on and found correct.

The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Asst. Executive Engineer
Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Asst. Executive Engineer
Yelahanka, Bangalore
(Yelahanka Satellite Town Sub Division)

If Memorandum of Payment Total Cost - 9,96,93,719-00 previous bill 9,07,69,143=00

1) Total value of work done or supplies made as per account with in
2) Deduct amount to be held in reserve being ..... percent Rs.....
3) " Balance
4) Deduct Payments :
   a) Amount of previous payment as in the Office cash Book Voucher No.....Dated.....S.D. No.....
      Amount adjusted towards cash advance recovery of
   b) Payments cost store or other materials supplied.
      Now made recovery of amount creditable to this/other work
      Amount paid on this bill Cheque/Cash
5) Balance being unpaid value of work done held in reserve
6) Deduct cash advance made on the Office Cash Book Voucher No.....dated.....less adjustments
7) Net amount due to or from contractor
   Unadjusted items
   8) Advance to contractor for materials brought to site (as detailed) within

present bill Amt

Gross Amt =Rs	88,67,700=00
FSD =Rs	—
CGST =Rs	79176=00
SGST =Rs	79176=00
IT =	88677=00
LC =	88677=00
CESS =	8868=00
Royalty =Rs	39500=00
T.D. =Rs	3,84,074=00
	84,83,626=00

K. Lakshmi Narayana Reddy
Contractor's Signature

Received Rs..... (In words)

.....

By Cash and by adjustment of Payment as per memorandum

Witnesses:

(For use in the Office)

1.
2.

K. Lakshmi Narayana Reddy
Dated.....Signature of Contractor

Stamp

Audited & Admitted for Rs. 88,67,700=00

84,83,626=00 By Cheque

and Rs. 3,84,074=00 By Adjusement

Executive Engineer

Accts Supdt
Yelahanka Division
BBMP

Exe. Engineer
Yelahanka Division
BBMP

Paid by me by cheque
No.....Dated.....
Cash Rs.....Dated.....

Initials of Officer making payment

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement			Total UP-to-date		Remarks
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specification and directions of the Engineer in charge.	Cum	225.85	223.70	154925.49		692.57	0.00	223.70	154925.49	
2	Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specification and directions of the Engineer in charge.	Sqm	1741.64	1741.64	19367.04		11.12	0.00	1741.64	19367.04	
3	Removing and refixing stone slabs of drains and pointing in CM (1:3)complete as per specification and directions of the Engineer in charge.	Sqm	5442.95	5442.95	635463.83		116.75	0.00	5442.95	635463.83	
4	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification and directions of the Engineer in charge.	Cum	3158.68	3157.02	687504.82		217.77	0.00	3157.02	687504.82	
5	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specification and directions of the Engineer in charge.	Cum	247.95								
	Qty Upto 125%	Cum	182.91	182.91	74203.24		405.69	0.00	182.91	74203.24	
	Qty above 125%	Cum	65.04	65.04	26387.62		405.69	0.00	65.04	26387.62	

AE-02

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement			Total UP-to-date		Remarks
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
6	Excavation for roadwork in all types of soil by with hydralic excavator of 0.9cum bucket capacity including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specification and directions of the Engineer in charge.	Cum	100.40	100.40	7272.98		72.44	0.00	100.40	7272.98	
7	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specification and directions of the Engineer in charge.	Cum	47.94								
	Qty Upto 125%	Cum	40.37	40.37	253660.89		6282.72	0.00	40.37	253660.89	
	Qty above 125%	Cum	7.56	7.56	47501.29		6282.72	0.00	7.56	47501.29	
8	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specification and directions of the Engineer in charge.	Cum	223.16								
	Qty Upto 125%	Cum	164.62	164.62	841264.86		5110.48	0.00	164.62	841264.86	
	Qty above 125%	Cum	58.54	58.54	299164.31		5110.48	0.00	58.54	299164.31	
9	Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:4 , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specification and directions of the Engineer in charge.	Cum	308.32								
	Qty Upto 125%	Cum	144.55	144.55	965160.05		6677.20	0.00	144.55	965160.05	
	Qty above 125%	Cum	163.78	163.78	1093567.61		6677.20	0.00	163.78	1093567.61	

AE-02

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement			Total UP-to-date		Remarks
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
10	Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specification and directions of the Engineer in charge.	Sqm	694.98								
	Qty Upto 125%	Sqm	280.31	280.31	44261.34		157.90	0.00	280.31	44261.34	
	Qty above 125%	Sqm	414.67	414.67	65476.00		157.90	0.00	414.67	65476.00	
11	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specification and directions of the Engineer in charge.	Cum	98.05	98.05	607387.85		6194.88	0.00	98.05	607387.85	
12	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specification and directions of the Engineer in charge.	Cum	214.59	214.59	1306457.23		6088.19	0.00	214.59	1306457.23	
13	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification No. 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as per specification and directions of the Engineer in charge.	Cum	537.34	535.91	4345409.92		8108.42	0.00	535.91	4345409.92	

AE-22

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement			Total UP-to-date		Remarks
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
14	Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specification and directions of the Engineer in charge.	Cum	179.43	179.43	1187151.38		6616.20	0.00	179.43	1187151.38	
15	Providing and laying in position plain/Reinforced cement concrete M20 for sub-structure/Superstructure works, with cement @ 320 kgs,20mm & down size graded granite metal course aggregate at 0.69 cum and fine aggregates @ 0.46 cum machine mixed with super plasticizers @ 3 its confirming to IS 9103-2008, concrete layed in layers, well compacted and providing weep holes whemever neccesary. with neccesary scaffoldings, from work etc., including cost of labour, HOM curing etc.,complete as per specification and directions of the Engineer in charge.	Cum	0.00	0.00	0.00		5536.35	0.00	0.00	0.00	
16	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specification and directions of the Engineer in charge.	tonne	50.43	50.43	4792674.09		95035.29	0.00	50.43	4792674.09	

AE-02

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement			Total UP-to-date		Remarks
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
17	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc complete as per specification and directions of the Engineer in charge.. (Data Rate)	Sqm	1459.79	1459.79	2943204.44		2016.18	0.00	1459.79	2943204.44	
18	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery ,loading ,unloading ,lead and lift,transportation etc ,complete as per specification and directions of the Engineer in charge.. (Data Rate)	Sqm	0.00	0.00	0.00		2451.51	0.00	0.00	0.00	
19	Suply and Fixing Preacast reinforced concrete slab 15cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinary, machine cutting the vertical face to get plain even surfaces etc, complete as per specification and directions of the Engineer in charge.	Sqm	78.12	78.12	204296.30		2615.16	0.00	78.12	204296.30	
20	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete as per specification and directions of the Engineer in charge.	Sqm	128.40	128.40	729758.83		5683.48	0.00	128.40	729758.83	
21	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specification and directions of the Engineer in charge.	Sqm	180.72								
	Qty Upto 125%	Sqm	157.61	157.61	71425.26		453.17	0.00	157.61	71425.26	
	Qty above 125%	Sqm	23.11	23.11	10471.63		453.17	0.00	23.11	10471.63	

Page-02

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement			Total UP-to-date		Remarks
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
22	Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specification and directions of the Engineer in charge.	Sqm	123.42								
	Qty Upto 125%	Sqm	100.46	100.46	85930.60		855.35	0.00	100.46	85930.60	
	Qty above 125%	Sqm	22.96	22.96	19636.70		855.35	0.00	22.96	19636.70	
23	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc., complete as per specification and directions of the Engineer in charge.	Cum	60.24								
	Qty Upto 125%	Cum	47.28	47.28	332237.85		7026.47	0.00	47.28	332237.85	
	Qty above 125%	Cum	12.96	12.96	91036.70		7026.47	0.00	12.96	91036.70	
24	Fabricating providing and erecting in position of MS Hot Dip galvanized sq hallow poles of 132 x132 heavy gauge length 3000mm with MS Hot Dip galvanized grill work as per approved design and drawing of chief architect using 12 x75mm galvanized flat for alround frame and 20 x 20mm galvanized forged ornamental arrow head in top and buttom the work is inclusive of throughing flat square rods placing welding all the joints including griding finishing 2 coats of anticorrossive paint over one coat of metal primer the rate is inclusive of all materials all items of work cost painting welding cutting griding with lead and lift as per specifications including loading and unloading with cost and conveyance of all materials labour machinery and incidental charges for the successful completion of the work as per direction of engineer in charge of work	Sqm	700.38								
	Qty Upto 125%	Sqm	559.01	559.01	5362159.70		9592.20	0.00	559.01	5362159.70	
	Qty above 125%	Sqm	141.37	141.37	1356025.33		9592.20	0.00	141.37	1356025.33	

AE-02

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement			Total UP-to-date		Remarks
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
25	Providing & laying heavy duty cobble stones 60mm thick interlock pavers,using cement & course sand for manufacture of blocks of approved size ,shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (Avg thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specification and directions of the Engineer in charge.	Sqm	401.60	401.60	470221.39		1170.87	0.00	401.60	470221.39	
26	Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specification and directions of the Engineer in charge.	Cum	60.24	60.24	43063.77		714.87	0.00	60.24	43063.77	
27	Dismantling Kerb stone by manual means and disposal of dismantled materials with all lifts and complete as per specification and directions of the Engineer in charge.	m	769.73	769.73	10268.20		13.34	0.00	769.73	10268.20	
28	Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200m (within average thickness of 15 cms). Including cost of materials, labour , HOM complete as per specification and directions of the Engineer in charge.	Sqm	787.50	787.50	75308.77		95.63	0.00	787.50	75308.77	

AE-02

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement			Total UP-to-date		Rem rks
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
29	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specification and directions of the Engineer in charge.	Cum	251.59	250.92	1651620.76		6582.36	0.00	250.92	1651620.76	
30	Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specification and directions of the Engineer in charge.	Sqm	1300.80	1299.30	1334939.80		1027.43	0.00	1299.30	1334939.80	
31	Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lesser than 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 ; as per IS 2572:2005 including cost of materials, labour charges,scaffolding ,curing complete as per specification and directions of the Engineer in charge.	Sqm	0.00	0.00	0.00		1059.68	0.00	0.00	0.00	
32	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc.,complete as per specification and directions of the Engineer in charge.	Nos	10448.00	10446.00	4739036.82		453.67	0.00	10446.00	4739036.82	

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement			Total UP-to-date		Remarks
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
33	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specification and directions of the Engineer in charge.	Sqm	1933.00	1932.69	171932.28		88.96	0.00	1932.69	171932.28	
34	Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specification and directions of the Engineer in charge.	Cum	2715.00	2711.75	160047.48		59.02	0.00	2711.75	160047.48	
35	Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specification and directions of the Engineer in charge.	Sqm	7778.27	7764.28	51787.72		6.67	0.00	7764.28	51787.72	
36	Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specification and directions of the Engineer in charge.	Cum	613.00	602.47	217722.13		361.38	0.00	602.47	217722.13	
37	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specification and directions of the Engineer in charge.	Cum	231.00	230.90	483195.15		2092.67	0.00	230.90	483195.15	

AE-02

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement			Total UP-to-date		Remarks
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
38	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specification and directions of the Engineer in charge.	Cum	1129.00	1128.59	2369295.18		2099.34	0.00	1128.59	2369295.18	
39	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specification and directions of the Engineer in charge.	Sqm	3967.00								
	Qty Upto 125%	Sqm	3506.14	3506.14	124748.48		35.58	0.00	3506.14	124748.48	
	Qty above 125%	Sqm	460.86	460.68	16391.06		35.58	0.00	460.68	16391.06	
40	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specification and directions of the Engineer in charge.	Cum	198.00								
	Qty Upto 125%	Cum	175.31	175.31	1571532.87		8964.46	0.00	175.31	1571532.87	
	Qty above 125%	Cum	22.69	22.69	203430.21		8964.46	0.00	22.69	203430.21	
41	Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per specification and directions of the Engineer in charge.	Sqm	14544.00	14541.06	80848.31		5.56	0.00	14541.06	80848.31	

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement			Total UP-to-date		Remarks
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
42	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specification and directions of the Engineer in charge.	Sqm	15713.00	15709.78	209568.40		13.34	0.00	15709.78	209568.40	
43	Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specification and directions of the Engineer in charge.	Cum	629.00	628.39	6592544.43		10491.15	0.00	628.39	6592544.43	
44	.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specification and directions of the Engineer in charge.	Sqm	490.00	490.00	233739.80		477.02	0.00	490.00	233739.80	
45	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specification and directions of the Engineer in charge.	Cum	1056.00	1053.04	1129757.53		1072.85	0.00	1053.04	1129757.53	

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement			Total Up-to-date		Rem rk
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
46	Construction of dry lean cement concrete mix CC1:5:10 with OPC cement @160Kgs, with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub- base over a prepared sub-grade with (coarse and fine aggregate conforming to IS: 383) aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 160 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specification and directions of the Engineer in charge.	Cum	1272.00	1269.13	5611007.42		4421.15	0.00	1269.13	5611007.42	
47	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, using a grade concrete M30 over a prepared base with OPC coarse aggregate @ 0.69cum fine aggregate @ 0.46cum,coarse and fine aggregate confirming to IS:383-2016,with superplastisiser @3lts confirming to IS9103-2008mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine,and curing including cost of all materials,labour,hire chargedof machines,all lead and lift charges etc., complete as per specification and directions of the Engineer in charge.	Cum	1218.00	1215.67	7654361.32		6296.43	0.00	1215.67	7654361.32	

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement			Total Up to date		Rem ark
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
48	Earthwork excavation in soil, clay, sand, shedu soil, soft murrum, including shoring, strutting, barricading, danger lighting, bailing out water wherever necessary with stacking the materials as directed upto a lead of 50 Mtr and lift of 1.5 Mtr etc.,complete as per specification and directions of the Engineer in charge.	Cum	152.60	152.60	57049.48		373.84	0.00	152.60	57049.48	
49	Add for additional lift charges for every lift of 1.50 M or part thereof beyond 1.50 Mtr to 10.50 Mtr complete as per specification and directions of the Engineer in charge.	Cum	76.30	76.30	4699.44		61.59	0.00	76.30	4699.44	
50	Providing and laying in position plain cement concrete of grade M 10 with cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregtes @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, including cost of all materials, labour, HOM of machinery, curing,lowering to any depth, dewatering etc., complete as per specification and directions of the Engineer in charge.	Cum	1.70	1.70	11052.73		6518.48	0.00	1.70	11052.73	
51	100 mm and down nominal size complete as per specification and directions of the Engineer in charge.	Cum	13.56	13.56	14475.00		1067.10	0.00	13.56	14475.00	
52	40 mm nominal size stone aggregates complete as per specification and directions of the Engineer in charge.	Cum	42.20	42.20	49766.24		1179.25	0.00	42.20	49766.24	
53	20 mm nominal size stone aggregates complete as per specification and directions of the Engineer in charge.	Cum	13.56	13.56	15996.29		1179.25	0.00	13.56	15996.29	
54	6 mm nominal size stone aggregates complete as per specification and directions of the Engineer in charge.	Cum	13.56	13.56	15996.29		1179.25	0.00	13.56	15996.29	
55	KSRB 2.6: Providing and filling sand complete as per specification and directions of the Engineer in charge.	Cum	11.30	11.30	20530.55		1816.22	0.00	11.30	20530.55	

AEE-02

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement			Total Up-to-date		Remark
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
56	Supplying & errection of RCC rings for well steining of 0.3 Mtr Depth using M-20 grade concrete using clean graded granite or trap or jelly of approved quality 20mm and down size well compacted including centering, formwork and plastering for both faces with C.M 1:3 proportion as per design using 6.50mm M.S. coil at the rate of 10 Kgs/ring including cost of steel and fabrication, bailing out of water, errection etc., complete as per specification and directions of the Engineer in charge.	Each	60.00	60.00	71894.40		1198.24	0.00	60.00	71894.40	
57	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM complete as per specification and directions of the Engineer in charge.	Sqm	536.49	536.49	56669.21		105.63	0.00	536.49	56669.21	
58	Providing and laying heavy duty cobble stones 60mm thick interlock pavers,using cement and course sand for manufacturer of blocks of approved size,shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed(average Thinkness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to comeup in between joints , final compaction of pavers surfaces joint into its final level including cost of materials,labour and HOM complete as per specification and directions of the Engineer in charge.	Sqm	721.20	721.20	844433.20		1170.87	0.00	721.20	844433.20	
59	Executive Bench-Made out of Sadarahalli grey stone with hand supports with 3 line finishing with arch design with 100mm slabs. Height 90X Length 1500 width 45 cms complete as per specification and directions of the Engineer in charge. (Data approved rate)	Nos	28.00	28.00	534570.40		19091.80	0.00	28.00	534570.40	

AE-02

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement			Total up to date		Remarks
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
60	Fabricating, supplying and erection of ....Mtrs long hot dip Galvanized Octagonal pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec for .....Mtrs pole in single section and single joint welded as per IS 9595/IS 10178AWS having dimensions bottom ....mm, top....mm with 3mm thick, suitable base plate and 4Nos of .... long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc., (excluding foundation) as per drawing appended.3 meters - Top 70mm and bottom 130mm diacomplete as per specification and directions of the Engineer in charge.	Each	2.00	2.00	11245.28		5622.64	0.00	2.00	11245.28	
61	LED Street light.Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminare > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility	Nos	26.00	26.00	50184.16		1930.16	0.00	26.00	50184.16	

APE-02

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement			Total up to date		Ref
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
62	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specification and directions of the Engineer in charge.	Cum	20.01	20.01	10177.16		508.68	0.00	20.01	10177.16	
63	Filling available excavated earth (Excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. In depth, compacting each deposited layer by ramming after watering with lead upto 50m . And lift upto 1.5m including cost of all labour complete as per specification and directions of the Engineer in charge.	Cum	7.98	7.98	1817.21		227.72	0.00	7.98	1817.21	
64	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specification and directions of the Engineer in charge.	Sqm	7.62	7.62	2227.25		292.29	0.00	7.62	2227.25	
65	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specification and directions of the Engineer in charge.	Sqm	41.04	41.04	16645.41		405.59	0.00	41.04	16645.41	
66	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specification and directions of the Engineer in charge.	Cum	2.96	2.96	8156.51		2751.86	0.00	2.96	8156.51	

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement			Upto Date		Remarks
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
67	Providing and laying in position plain cement concrete of mix 1:2:4 with OPC cement @ 240kgs, with 40mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @ 0.459cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specification and directions of the Engineer in charge.	Cum	2.22	2.22	14558.63		6549.09	0.00	2.22	14558.63	
68	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specification and directions of the Engineer in charge.	Cum	9.58	9.58	73261.23		7647.31	0.00	9.58	73261.23	
69	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specification and directions of the Engineer in charge.	Cum	23.06	23.06	10859.67		470.88	0.00	23.06	10859.67	

AE-02

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement					Remarks
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
70	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specification and directions of the Engineer in charge.	Cum	67.65	67.65	27869.09		411.96	0.00	67.65	27869.09	
71	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods Complete as per specifications and the directions of the Engineer-in-charge	Cum	1029.34			197.25					
	Qty Upto 125%	Cum	796.82	796.82	405327.40	0.00	508.68	0.00	796.82	405327.40	
	Qty above 125%	Cum	232.52	35.27	17940.77	197.25	508.68	100337.13	232.52	118277.90	
72	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. Complete as per specifications and the directions of the Engineer-in-charge	Cum	116.88	95.48	262758.60	20.41	2751.86	56170.97	115.90	318929.57	
73	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing Complete as per specifications and the directions of the Engineer-in-charge	Cum	160.27	128.84	824751.31	20.41	6401.27	130662.72	149.25	955414.03	

Checked by AE-02

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement					Rc
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
74	Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specification and directions of the Engineer in charge.	Cum	112.46			2.37					
	Qty Upto 125%	Cum	74.74	74.74	463627.59	0.00	6203.05	0.00	74.74	463627.59	
	Qty above 125%	Cum	37.72	35.35	219292.55	2.37	6203.05	14674.87	37.72	233967.42	
75	Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specification and directions of the Engineer in charge.	cum	57.83	57.83	387813.54		6706.56	0.00	57.83	387813.54	
76	Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specification and directions of the Engineer in charge.	Cum	58.57	29.51	198929.48	23.65	6741.03	159438.84	53.16	358368.32	
77	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specification and directions of the Engineer in charge.	Cum	253.24			90.62					
	Qty Upto 125%	Cum	231.40	162.62	846751.28	68.78	5206.90	358106.11	231.40	1204857.39	

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement			Upto date		Remarks
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
	Qty above 125%	Cum	21.84	0.00	0.00	21.84	5206.90	113737.96	21.84	113737.96	
78	Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:4 , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specification and directions of the Engineer in charge.	Cum	92.75			40.82					
	Qty Upto 125%	Cum	82.88	49.94	339727.00	32.95	6803.18	224152.62	82.88	563879.62	
	Qty above 125%	Cum	9.86	0.00	0.00	7.88	6803.18	53580.40	7.88	53580.40	
79	Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing Complete as per specifications and the directions of the Engineer-in-charge	Sqm	284.29			71.35					
	Qty Upto 125%	Sqm	190.13	190.13	30587.01	0.00	160.87	0.00	190.13	30587.01	
	Qty above 125%	Sqm	94.16	22.81	3668.65	71.35	160.87	11478.07	94.16	15146.72	
80	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specification and directions of the Engineer in charge.	Sqm	229.84	176.50	51589.19	53.34	292.29	15590.75	229.84	67179.93	
81	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.complete as per specification and directions of the Engineer in charge.	sqm	303.36	289.67	131269.75	10.15	453.17	4599.68	299.82	135869.43	
82	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour Complete as per specifications and the directions of the Engineer-in-charge	Sqm	292.86	164.61	66764.17	128.25	405.59	52016.92	292.86	118781.09	

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurements							
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
83	Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour Complete as per specifications and the directions of the Engineer-in-charge	Sqm	225.92	123.32	63708.35	100.80	516.61	52074.29	224.12	115782.63	
84	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specification and directions of the Engineer in charge.	Sqm	178.62	178.62	59087.63		330.81	0.00	178.62	59087.63	
85	Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specification and directions of the Engineer in charge.	Sqm	18.41	18.41	15749.56		855.35	0.00	18.41	15749.56	
86	Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specification and directions of the Engineer in charge.	Sqm	3.44	3.44	1258.80		365.93	0.00	3.44	1258.80	
87	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour Complete as per specifications and the directions of the Engineer-in-charge	Sqm	3.78	0.00	0.00	3.78	589.12	2226.87	3.78	2226.87	
88	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour Complete as per specifications and the directions of the Engineer-in-charge	Cum	1428.37	474.82	108125.78	951.64	227.72	216707.46	1426.46	324833.24	

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement							
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	Remarks
89	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per specification and directions of the Engineer in charge.	Cum	531.09			26.00					
	Qty Upto 125%	Cum	252.47	252.47	17769.09	0.00	70.38	0.00	252.47	17769.09	
	Qty above 125%	Cum	278.62	252.61	17778.60	26.00	70.38	1829.88	278.61	19608.48	
90	Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, Complete as per specifications and the directions of the Engineer-in-charge	Cum	18.61	12.45	95219.52	6.05	7647.31	46250.93	18.50	141470.46	
91	Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, Complete as per specifications and the directions of the Engineer-in-charge	Cum	258.22	221.74	1637216.88	35.57	7383.34	262610.64	257.31	1899827.52	

AE-02

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement			Total Qty.	Total Cost	Remarks
				Qty	Cost	Qty	Rate Rs. & P	Cost			
92	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc., complete as per specification and directions of the Engineer in charge.	Cum	74.61	74.61	524234.39		7026.47	0.00	74.61	524234.39	
93	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specification and directions of the Engineer in charge.	Sqm	2.52	2.52	1416.06		561.93	0.00	2.52	1416.06	
94	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specification and directions of the Engineer in charge.	tonne	59.62			12.04					
	Qty Upto 125%	tonne	52.34	47.57	4711094.60	4.77	99036.47	472270.71	52.34	5183365.31	
	Qty above 125%	tonne	7.29	0.00	0.00	7.27	99036.47	720320.89	7.27	720320.89	

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement			Total Up-to-date		Remarks
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
95	Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc.,Complete as per specifications and the directions of the Engineer-in-charge	Sqm	525.35	269.44	278390.80	255.91	1033.22	264411.33	525.35	542802.13	
96	Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., Complete as per specifications and the directions of the Engineer-in-charge	Sqm	102.60	0.00	0.00	98.76	1112.53	109873.46	98.76	109873.46	
97	Providing and constructing load bearing wall with solid concrete blocks of size 400X150X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specification and directions of the Engineer in charge.	Sqm	30.48	30.48	32908.34		1079.67	0.00	30.48	32908.34	

Cont'd RE-02

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement					
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty	Cost	
98	Providing and constructing non load bearing wall with solid concrete blocks of size 400x100x200mm having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire charges of machineries etc.Complete as per specifications and the directions of the Engineer-in-charges.Ground Floor	Sqm	47.85	18.93	17388.29	—	918.80	0.00	18.93	17388.29	
99	Providing and constructing non load bearing wall with solid concrete blocks of size 400x100x200mm having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire charges of machineries etc., Complete as per specifications and the directions of the Engineer-in-charge.First Floor	Sqm	36.12	0.00	0.00	36.00	958.45	34504.20	36.00	34504.20	
100	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specification and directions of the Engineer in charge.	Sqm	448.98	448.98	132758.90	—	295.69	0.00	448.98	132758.90	

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement			Total Up to date		Remarks
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty	Cost	
101	Providing 15mm thick plain plastering in single coat to external masonry surfaces, in cement mortar 1:4 (1 cement : 4 fine sand) including providing & mixing water proofing compound of approved quality and make as admixture to cement mortar as per manufacturer's specifications, providing & removing necessary scaffolding, rounding of corners wherever required, sponge finishing, curing etc. including cost of all materials, formwork, labour charges, HOM of Machineries, loading, unloading ,with all lead and lifts etc., Complete as per specifications and the directions of the Engineer-in-charge Ground Floor	Sqm	260.69	0.00	0.00	260.69	250.38	65271.56	260.69	65271.56	
102	Providing 15mm thick plain plastering in single coat to external masonry surfaces, in cement mortar 1:4 (1 cement : 4 fine sand) including providing & mixing water proofing compound of approved quality and make as admixture to cement mortar as per manufacturer's specifications, providing & removing necessary scaffolding, rounding of corners wherever required, sponge finishing, curing etc. including cost of all materials, formwork, labour charges, HOM of Machineries, loading, unloading ,with all lead and lifts etc., Complete as per specifications and the directions of the Engineer-in-charger. First Floor	Sqm	260.69	0 00	0 00	260.69	263.97	68814.34	260.69	68814.34	
103	Providing 15mm thick plain plastering in single coat to external masonry surfaces, in cement mortar 1:4 (1 cement : 4 fine sand) including providing & mixing water proofing compound of approved quality and make as admixture to cement mortar as per manufacturer's specifications, providing & removing necessary scaffolding, rounding of corners wherever required, sponge finishing, curing etc. including cost of all materials, formwork, labour charges, HOM of Machineries, loading, unloading ,with all lead and lifts etc., Complete as per specifications and the directions of the Engineer-in-charge. Terrace Floor	Sqm	205.20	0.00	0.00	197.52	277.57	54825.63	197.52	54825.63	

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement			Total UP-to-date		Item no
				Qty	Cost	Qty	Rate Rs. & P	Cost	Qty	Cost	
104	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing Complete as per specifications and the directions of the Engineer-in-charge	Sqm	300.73								
	Qty Upto 125%	Sqm	298.82	298.82	69062.99	0.00	231.12	0.00	298.82	69062.99	
	Qty above 125%	Sqm	1.91	1.91	440.57	0.00	231.12	0.00	1.91	440.57	
105	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing Complete as per specifications and the directions of the Engineer-in-charge. First Floor	Sqm	338.94	0.00	0.00	325.58	237.91	77457.55	325.58	77457.55	
106	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., Complete as per specifications and the directions of the Engineer-in-charge. Ground Floor	Sqm	757.36	182.83	16156.25	571.94	88.37	50541.90	754.76	66698.14	
107	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, Complete as per specifications and the directions of the Engineer-in-chargeGround Floor	Sqm	776.52			571.94					
	Qty Upto 125%	Sqm	772.02	201.99	20594.90	570.03	101.96	58119.80	772.02	78714.70	
	Qty above 125%	Sqm	4.50	0.00	0.00	1.91	101.96	194.69	1.91	194.69	

Sl No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement			Upto Date		
				Qty	Cost	Qty	Rate Rs. & P	Cost	Qty	Cost	
108	Providing textured paint of approved quality, colour and shade to wall surface after cleaning and rubbing the wall surface with wire brush of medium size emery stone to remove all the loosely adhering particles, the surface is then cleaned with water and ensured that it is in line and level. The textured material is then mixed with 40-50% of clean water until a homogeneous thick slurry is formed, the slurry is left for 5-10 min, to react completely with ingredients. The textured finish prepared as above is then applied to the wall surface with suitable roller/spray gun/putty/ blade/ trowel to get the desired finish. The finished surface shall be applied with two coats of exterior paint of approved shade. The rate includes providing and removing scaffolding, all lead and lift and all other incidental charges etc., Complete as per specifications and the directions of the Engineer-in-charge.Ground Floor	Sqm	260.69	0.00	0.00	260.69	497.35	129654.17	260.69	129654.17	
109	Providing textured paint of approved quality, colour and shade to wall surface after cleaning and rubbing the wall surface with wire brush of medium size emery stone to remove all the loosely adhering particles, the surface is then cleaned with water and ensured that it is in line and level. The textured material is then mixed with 40-50% of clean water until a homogeneous thick slurry is formed, the slurry is left for 5-10 min, to react completely with ingredients. The textured finish prepared as above is then applied to the wall surface with suitable roller/spray gun/putty/ blade/ trowel to get the desired finish. The finished surface shall be applied with two coats of exterior paint of approved shade. The rate includes providing and removing scaffolding, all lead and lift and all other incidental charges etc., Complete as per specifications and the directions of the Engineer-in-charge.First Floor	Sqm	260.69	0.00	0.00	260.69	506.42	132018.63	260.69	132018.63	

AE-52

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement					Remarks
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty	Cost	
110	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specification and directions of the Engineer in charge.	Sqm	448.98								
	Qty Upto 125%	Sqm	338.26	338.26	130294.13	0.00	385.19	0.00	338.26	130294.13	
	Qty above 125%	Sqm	110.72	110.72	42648.48	0.00	385.19	0.00	110.72	42648.48	
111	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering. : including Providing and removing scaffolding, including cost of materials, labour, curing Complete as per specifications and the directions of the Engineer-in-charge	Sqm	609.40	372.17	94869.85	237.23	254.91	60472.30	609.40	155342.15	
112	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, incldng cost of materials, labour, curing Complete as per specifications and the directions of the Engineer-in-charge	Sqm	255.20	142.20	33025.95	101.43	232.25	23557.12	243.63	56583.07	
113	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, incldng cost of materials, labour, curing Complete as per specifications and the directions of the Engineer-in-charge	Sqm	78.98	0.00	0.00	71.82	239.05	17168.57	71.82	17168.57	

AE-02

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement					Re
				Qty	Cost	Qty	Rate Rs. & P	Cost	Qty.	Cost	
114	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer. Complete as per specifications and the directions of the Engineer-in-charge	Sqm	576.17	0.00	0.00	571.94	88.37	50541.90	571.94	50541.90	
115	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labourComplete as per specifications and the directions of the Engineer-in-charge	Sqm	639.67			325.58					
	Qty Upto 125%	Sqm	633.83	300.73	30661.92	325.58	101.96	33195.63	626.30	63857.55	
	Qty above 125%	Sqm	5.84	0.00	0.00	0.00	101.96	0.00	0.00	0.00	
116	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications page no117 item no 15.49.1 . KSRB 15-14.1 : Extra over Item 15-14.1 for applying oil bound washable distemper on ceiling and / or sloping roof Complete as per specifications and the directions of the Engineer-in-charge	Sqm	537.96	300.73	40200.92	237.23	133.68	31712.91	537.96	71913.82	
117	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specification and directions of the Engineer in charge.	Sqm	132.70	132.70	15334.81		115.56	0.00	132.70	15334.81	

AE-02

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement			Total		Remarks
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
118	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specification and directions of the Engineer in charge.	sqm	342.56								
	Qty Upto 125%	sqm	262.80	262.80	26498.12	0.00	100.83	0.00	262.80	26498.12	
	Qty above 125%	sqm	79.76	79.76	8042.20	0.00	100.83	0.00	79.76	8042.20	
119	Providing and fixing dadoing with Glazed tiles of approved size, make & sample and of 6mm minimum thick of first quality, conforming to IS specifications, set in cement mortar 1:3 (1 cement : 3 fine sand) 10mm thick with a thin coat of cement slurry on the rough plastered surfaces including finishing the joints with matching coloured cement, oxalic acid wash, waxing, curing etc. with all lead and lift etc. complete as per the directions of the Engineer-in-charge including cost & conveyance of all materials, cost of labour for all items of work, equipment and all other incidental charges for the successful Complete as per specifications and the directions of the Engineer-in-charge.(Ground Floor)	Sqm	113.00	0.00	0.00	111.93	1439.94	161172.48	111.93	161172.48	
120	Providing and fixing dadoing with Glazed tiles of approved size, make & sample and of 6mm minimum thick of first quality, conforming to IS specifications, set in cement mortar 1:3 (1 cement : 3 fine sand) 10mm thick with a thin coat of cement slurry on the rough plastered surfaces including finishing the joints with matching coloured cement, oxalic acid wash, waxing, curing etc. with all lead and lift etc. complete as per the directions of the Engineer-in-charge including cost & conveyance of all materials, cost of labour for all items of work, equipment and all other incidental charges for the successful completion of the work.(First Floor)	Sqm	78.98	0.00	0.00	78.12	1442.04	112652.16	78.12	112652.16	

AE-02

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement			Upto Date		Remarks
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
121	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc., complete as per specifications -do- using silver grey granite/Multy Red/Ruby Red/Black/ Hassan Green Granite of width not less than 1200mm.Complete as per specifications and the directions of the Engineer-in-charge Ground Floor	Sqm	214.42	0.00	0.00	214.42	3103.07	665360.27	214.42	665360.27	
122	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc., complete as per specifications.-do- using silver grey granite/Multy Red/Ruby Red/Black/ Hassan Green Granite of width not less than 1200mm.Complete as per specifications and the directions of the Engineer-in-charge First Floor	Sqm	214.42	0.00	0.00	209.64	3109.87	651953.15	209.64	651953.15	
123	Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specification and directions of the Engineer in charge.	sqm	83.40	83.40	154200.76		1848.93	0.00	83.40	154200.76	

AE-02

Sl. No.	Description of work	Unit	BOQ Quantity	Provisional Requirement		Previous Measurement			Present Measurement		
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
124	Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.,complete as per specification and directions of the Engineer in charge.	sqm	202.88	202.88	1024197.08		5048.29	0.00	202.88	1024197.08	
125	Providing half nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc.,Complete as per specifications and the directions of the Engineer-in-charge	m	168.92	22.20	4527.25	146.72	203.93	29920.61	168.92	34447.86	
126	Providing half nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc.,Complete as per specifications and the directions of the Engineer-in-charge	m	146.72	0.00	0.00	146.72	206.19	30252.20	146.72	30252.20	
127	Fixing of Door frames in an existing opening including embedding frame in floor and walls after cutting masonry for embedding holdfasts including providing & fixing 3/4 of MS hold fasts of size 200x20x3mm for each side and fixed to the frame and embeded with PCC 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size), painting two coats of coal tar to sides of frames, making good the damages to walls & floor as required and disposal of debris including cost of materials, labour, HOM of machineries Complete as per specifications and the directions of the Engineer-in-charge Ground Floor	Nos	3.00	3.00	4642.71		1547.57	0.00	3.00	4642.71	

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement							
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty	Cost	
128	Fixing of Door frames in an existing opening including embedding frame in floor and walls after cutting masonry for embedding holdfasts including providing & fixing 3/4 of MS hold fasts of size 200x20x3mm for each side and fixed to the frame and embeded with PCC 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size), painting two coats of coal tar to sides of frames, making good the damages to walls & floor as required and disposal of debris including cost of materials, labour, HOM of machineries Complete as per specifications and the directions of the Engineer-in-charge First Floor	Nos	5.00	0.00	0.00	5.00	1552.10	7760.50	5.00	7760.50	
129	Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specification and directions of the Engineer in charge.	Cum	0.23	0.23	23224.11		99248.32	0.00	0.23	23224.11	
130	Providing Teak wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specification and directions of the Engineer in charge.	cum	0.08	0.08	16089.91		206280.94	0.00	0.08	16089.91	
131	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specification and directions of the Engineer in charge.	Sqm	3.78	3.78	20221.68		5349.65	0.00	3.78	20221.68	

AE-01

Sl. No.	Description of work	Unit	BOQ Quantity								
				Qty	Cost	Qty	Rate Rs. & P.	Cost			
132	Providing and fixing in position panelled shutters for doors made out of honnewood styles and rails of 40mm thick with bottom and lock rails 180mm wide, top rail and styles 100mm wide and panels of 18mm thick of exterior grade plain particle board, fixed with necessary teakwood beading including cost of materials, labour, HOM of machineries complete as per specifications with all lead & lift, loading & unloading and all other incidental charges etc. all Complete as per specifications and the directions of the Engineer-in-charge work (excluding cost of fixtures).First Floor	Sqm	11.97	0.00	0.00	11.97	4002.61	47911.24	11.97	47911.24	
133	Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM). U V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segmens, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame.Complete as per specifications and the directions of the Engineer-in-charge Ground Floor	m	11.40	11.40	5811.83		509.81	0.00	11.40	5811.83	

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement					
				Qty	Cost	Qty	Rate Rs. & P	Cost	Qty	Cost	
134	Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM). U.V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segmens, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame.Complete as per specifications and the directions of the Engineer-in-charge First Floor	m	22.80	0.00	0.00	22.80	514.35	11727.18	22.80	11727.18	

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement							
				Qty	Cost	Qty	Rate Rs. P.	Cost	Qty	Cost	
135	Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforement and the skins. The material and process for manufacturing the door shutters shall confirm to RV-TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain coulur White/IVORY/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot. Complete as	Sqm	3.15	3.15	13561.07		4305.10	0.00	3.15	13561.07	

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement					
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
136	Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforement and the skins. The material and process for manufacturing the door shutters shall confirm to RV-TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain coulur White/IVORY/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot. Complete as	Sqm	6.30	0.00	0.00	6.30	4309.63	27150.67	6.30	27150.67	
137	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specifications. Pg no:121 Item no:15.60.1	Sqm	15.12								
	Qty Upto 125%	Sqm	14.18	14.18	1557.69	0.00	109.89	0.00	14.18	1557.69	
	Qty above 125%	Sqm	0.95	0.95	103.85	0.00	109.89	0.00	0.95	103.85	

AE-02

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement			Upto Date		
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
138	Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung 2/3 openable 1/3 fixed as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 kg/m both for outer and inner frames and central mullion section of size 25x46x3mm, weighing 2.28kg/m all duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows, not more than 34 ems. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and grinded electrically subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corrosive paint and finishing two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour charges and HOM complete as per specifications.	Sqm	46.80	7.20	27195.55	39.60	3777.16	149575.54	46.80	176771.09	
139	5.5mm thick plain glass	Sqm	7.20	7.20	4160.45		577.84	0.00	7.20	4160.45	
140	Renewal of old putty of glass panes including cost of materials, labour, complete as per specification and directions of the Engineer in charge.	m	4.00	4.00	163.16		40.79	0.00	4.00	163.16	
141	Providing & of Fixed Louvered Ventilator made out of multi chambered UPVC(Matching to RAL-9016) sections with Minimum TiO2(Titanium Dioxide) at 6PHR with TPV(Thermo Plastic Vulcanized) and lead free with gaskets-grey colour having isolated drainage and reinforced with Galvanized Iron profiles through out the Ventilator Frame. The frame having a overall size of 39mm x 39mm with GI reinforcement of 1 mm thickness. Louver clip in Aluminium(powder coated in white) will be used on the frame along with plastic parts for fixing the4mm pin head glass. Wall thickness of frame shall be 2mm. Maximum possible size-1000mm X 1000mm.	Sqm	2.88	2.88	11850.54		4114.77	0.00	2.88	11850.54	

Sl. No.	Description of work	Unit	BOQ Quantity								
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty		
142	Providing & fixing of 3 Track - 2 Panel Sliding Windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPV(Thermo Plastic Vulcanized) and lead free, gaskets having isolated drainage and reinforced with Galvanized Iron profile through-out the window Frame. The outer frame having a overall size of 108 mm width X 45 mm height with reinforcement of 1 mm thickness and sash with overall size of 39 mm x 75 mm with GI reinforcement of 2 mm and mesh sash of size 30mm.Windows shall be provided with 5mm plain float glass, standard hardware and single point locking system with touch lock. Wall thickness of frame and sash shall be of 2mm - 2.5mm. Maximum possible size -2419mm x 21119 mm	Sqm	26.82	26.82	158609.19		5913.84	0.00	26.82	158609.19	
143	Providing and fixing MS grill work for windows and ventilators weighing 21 kgs./ sqm. using MS flats or MS square bars or combination of MS flats and square bars as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat red lead primer & two coats synthetic enamel paint, cost of materials, fixtures, labour and HOM of machinery complete as per technical specification and as directed by the Engineer-in-Charge of work.with all lead & lift, loading & unloading and all other incidental charges etc.GroundFloor	kg	623.70	623.70	67128.83		107.63	0.00	623.70	67128.83	

AE-02

Sl. No.	Description of work	Unit	Quantity	Qty	Cost	Qty	Rate Rs. & P.	Cost			
144	Providing and fixing MS grill work for windows and ventilators weighing 21 kgs./ sqm. using MS flats or MS square bars or combination of MS flats and square bars as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat red lead primer & two coats synthetic enamel paint, cost of materials, fixtures, labour and HOM of machinery complete as per technical specification and as directed by the Engineer-in-Charge of work.with all lead & lift, loading & unloading and all other incidental charges etc First Floor	Kg	831.60	0.00	0.00	831.60	114.42	95151.67	831.60	95151.67	
145	Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications.. First Floor	Sqm	39.60	0.00	0.00	39.60	55.51	2198.20	39.60	2198.20	
146	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications First Floor	Sqm	59.40	59.40	6393.22		107.63	0.00	59.40	6393.22	
147	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications First Floor	Sqm	39.60	0.00	0.00	39.60	116.69	4620.92	39.60	4620.92	

Sl. No.	Description of work	Unit	BOQ Quantity	Qty	Cost	Qty	Rate Rs. & P.	Cost			
148	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per specification and directions of the Engineer in charge.	Sqm	531.30	236.52	140947.00	222.21	595.92	132419.38	458.73	273366.38	
149	Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. - for Ceramic Tiles of size 30x30cms 6mm thick Ground Floor	Sqm	67.22	43.07	59034.79	22.28	1370.83	30542.09	65.35	89576.89	
150	Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing.Complete as per specifications and the directions of the Engineer-in-charge. - for Ceramic Tiles of size 30x30cms 6mm thick First Floor	Sqm	25.73	0.00	0.00	24.97	1373.10	34279.44	24.97	34279.44	

AE-02

Sl. No.	Description of work	Unit	Quantity	Qty	Cost	Qty	Rate	Qty	Qty	Cost	
151	Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specification and directions of the Engineer in charge.	Sqm	56.73	56.73	104889.80		1848.93	0.00	56.73	104889.80	
152	Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, Complete as per specifications and the directions of the Engineer-in-charge	Sqm	245.95	245.95	175818.70		714.87	0.00	245.95	175818.70	
153	Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, Complete as per specifications and the directions of the Engineer-in-charge	Sqm	210.34	0.00	0.00	210.34	717.14	150843.23	210.34	150843.23	

Sl. No.	Description of work	Unit	Quantity	Qty	Cost	Qty	Rate Rs. & P.	Cost			
154	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing Complete as per specifications and the directions of the Engineer-in-charge	Sqm	889.41	209.46	61935.23	679.95	295.69	201054.42	889.41	262989.64	
155	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, Complete as per specifications and the directions of the Engineer-in-charge	Sqm	679.95	0.00	0.00	679.95	123.95	84279.80	679.95	84279.80	
156	Fabricating, providing and erecting in position Hot dip galvanized Gate. Using 72x72x4.8 mm Sq. G I Pipe Frame with top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanized sq.rod for verticals at 150mm c/c , as shown in the drawing including providing hot do galvanized forged ornamental design in between rods and heads at top, middle and bottom. Intermediate supports of 75x12mm and 50x6mm arch bent to hot dip galvanized flats.The work is inclusive of throughing GI, Flat GI Sqm. rods, placing, welding all the joints including grinding, finishing metal patty, painting two coats enamel painting. The rate is inclusive of all materials Like GI Sq. GI Pipe, GI Forged designs etc., heavy duty hinges are made out of 75mm sold sq. block assembled with 20mm du bearing in three places for each flop. Heavy duty locking arrangement of low places including cost of labour, painting, erection charges using hoist pulley cranes, with all lead and lift, loading, trasportation, unloading, scaffolding charges and all other.	Sqm	7.20	7.20	94221.43		13086.31	0.00	7.20	94221.43	

AE-02

Sl. No.	Description of work		Quantity	Qty							
157	Providing and fixing Stainless steel staircase raling as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specification and directions of the Engineer in charge.	Sqm	11.70	11.70	79809.33		6821.31	0.00	11.70	79809.33	
158	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members asshown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., Complete as per specifications and the directions of the Engineer-in-charge	Sqm	24.26	12.26	41818.47	12.00	3412.36	40948.32	24.26	82766.79	

AE-II

Sl. No.	Description of work	Unit	BOQ Quantity	Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.		
159	Providing and fixing M.S.Grill over existing compound wall as per, using 16mm x 16mm M.S.Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., Complete as per specifications and the directions of the Engineer-in-charge	Sqm	90.50	41.67	253726.13	48.83	6088.94	297322.94	90.50	551049.07	
160	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specification and directions of the Engineer in charge.	Cum	19.38	19.38	7135.44		368.20	0.00	19.38	7135.44	

Sl. No.	Description of work	Unit	Quantity	Qty	Cost						
161	Supply and fixing of childern Multi Play Equipment with curved slide and number panel : Upright structural posts of height 2.4 m, 2.7 m, 3.3 m schedule HOT DIP Galvanized steel with a 114mm OD and 2.2mm (wall) thickness of the tubing. All metal components are to be finished with a baked on powder coat finish.With deck of size 1.45 x 1.45m and Staircase of size 1.5m x 0.77 m are fabricated from 2mm perforated solid punched steel. Deck perimeter is precision pre punched for attachments. Decks are pressed, punched, and welded sand blasted and vinyl plastic coated to a thickness of 4mm. Along with Handrail of height 2.2 m and Dia 32 mm shall be an all-robotic welded unit, fabricated from 32 O.D. galvanized steel pipes with a baked on powder coating finish.Curved Slide of size 1.94 m x 1.85 m x 2.4 m, Panels,Toprails Of Monkey loop of size 1.8 m x 1.3 m.Deck of size 1.45 x 1.45m are fabricated from 2mm perforated solid punched steel. Deck perimeter is precision pre punched for attachments. Decks are pressed, punched, and welded sand blasted and vinyl plastic coated to a thickness of 4mm. Roof of size Dia 2 m and height 0.82 m, Spiral Slide of size 1.16 m x 1.6 m x 3.6 m, Panels The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation	Each	0.00	0.00	0.00		2309158.46	0.00	0.00	0.00	
162	Supply and fixing of childern Play Equipment Fiero A Swing : Shaped structural posts of height 2.31 m are to be schedule HOT DIP Galvanized steel with a 114mm OD and 2.2mm (wall) thickness of the tubing. Plastic Components such as swing seats [super thick plastic] shall be animated and shall be rotationally molded from antistatic, copolymer, virgin linear low density UV stabilized polyethylene, with color molded in and minimum thickness of 6 - 8mm. The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges	Each	0.00	0.00	0.00		133109.71	0.00	0.00	0.00	

Sl. No.	Description of work	Unit	BOQ Quantity	Qty	Cost	Qty	Rate Rs.			
163	Providing 20mm square M.S footrest and fixing in manhole Nos 232.00 with M 10 cement concrete block of 20x20x10cms, using 20mm and down size metal of size including cost of materials, labour charges, curing complete as per specification and directions of the Engineer in charge.	No.s	4.00	0.00	0.00	4.00	312.69	1250.76	4.00	1250.76	
164	Point wiring using copper wire without switch Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet.Complete as per specifications and the directions of the Engineer-in-charge Short point upto 3m	Point	60.00	20.00	4196.00	40.00	209.80	8392.00	60.00	12588.00	
165	Point wiring using copper wire without switch Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. Medium point above 3m - 6m	Point	48.00	13.00	3750.24	35.00	288.48	10096.80	48.00	13847.04	
166	Supplying heavy gauge pvc conduit pipe ... dia confirming to IS 2509 with suitable size benda. Junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall stone structure or rawl plugs in case of brick walls and cement plastering dameged portion using havey gauge saddles at an intereval of 70mm using NF screws .Complete as per specifications and the directions of the Engineer-in-charge 25mm dia 2mm thick	Rm	168.00	0.00	0.00	168.00	68.19	11455.92	168.00	11455.92	

Sl. No.	Description of work	Unit	BOQ Quantity	Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
167	Concealed Conduit System - Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of unction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary .Complete as per specifications and the directions of the Engineer-in-charge 25mm dia 2mm thick	Rm	168.00	0.00	0.00	168.00	55.60	9340.80	168.00	9340.80	
168	Concealed Conduit System - Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of unction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary .Complete as per specifications and the directions of the Engineer-in-charge 32mm dia 2mm thick	Mtr	110.00	110.00	9577.70		87.07	0.00	110.00	9577.70	
169	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary..Complete as per specifications and the directions of the Engineer-in-charge 19/20mm dia, 2mm thick	Mtr	50.00	50.00	2093.00		41.96	0.00	50.00	2098.00	
170	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary..Complete as per specifications and the directions of the Engineer-in-charge 25mm dia, 2mm thick	Rm	168.00	0.00	0.00	168.00	56.65	9517.20	168.00	9517.20	

AEE-02

Sl. No.	Description of work	Unit	BOQ Quantity	...			Rate Rs. & P.	...		
				Qty	Cost	Qty				
171	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary..Complete as per specifications and the directions of the Engineer-in-charge 25mm dia, 2mm thick	Mtr	60.00	60.00	3336.00		55.60	0.00	60.00	3336.00	
172	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary..Complete as per specifications and the directions of the Engineer-in-charge 32mm dia, 2mm thick	Mtr	20.00	20.00	1741.40		87.07	0.00	20.00	1741.40	
173	Supplying and fixing sheet metal box made out of 18 SWG sheet metal with necessary holes for cable/conduit entry as required with one coat of approved make etc..(ELE SR 2019-20 Page-2, Item-1.4.5)200x90x65mm	Each	18.00	0.00	0.00	18.00	116.44	2095.92	18.00	2095.92	
174	Supplying and fixing PVC/ Metal conduit accessories.Complete as per specifications and the directions of the Engineer-in-charge	Each	6.00	0.00	0.00	6.00	62.94	377.64	6.00	377.64	
175	Suppling and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complet. 12"x12"x3"(330x300x76mm)(ELE SR 2019-20 Page-3, Item-1.6.1-1.6.8)	Each	60.00	0.00	0.00	60.00	107.00	6420.00	60.00	6420.00	

AE-02

Sl. No.	Description of work	Unit	BOQ Quantity	Previous [illegible]		Rate Rs. & P.	Cost	Qty.	Cost	
				Qty	Cost	Qty				
176	Suppling and wiring adopting loop system in existing PVC Conduit/ casting capping using copper PVC insulated multi strand 2x1.5sqmm copper wire with a 6 Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box. The outher end of the wires shall be terminated with sufficient loose lenght in a wood / PVC round block. compelete for each outlet. Complete as per specifications and the directions of the Engineer-in-charge Medium point above 3 Mtr up to 6 mtr from tapping point to out let via switch	Point	12.00	0.00	0.00	12.00	288.48	3461.76	12.00	3461.76	
177	Suppling and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos, of machines screws, bolts nuts etc., Complete as per specifications and the directions of the Engineer-in-charge Group-A Module	Each	30.00	0.00	0.00	30.00	183.58	5507.40	30.00	5507.40	
178	Supplying and fixing of 32 Amps security and energy saving DP switch with key tag suitable to operate on 230 volts, 50Hz AC supply and completely wired on existing box. complete as per specification and directions of the Engineer in charge.	Each	12.00	0.00	0.00	12.00	713.32	8559.84	12.00	8559.84	
179	Wiring for lighting/power circuit using one of pvc insulated 1100v grade, multistrand copper conductor singal core cable in open or concealed system of wiring.Complete as per specifications and the directions of the Engineer-in-charge 6Sqmm	Mtr	474.00	0.00	0.00	474.00	73.43	34805.82	474.00	34805.82	
180	Supplying and fixing of PVC casing and capping on the wall or ceilng using necessary materials like bends, screws at an interval of 300mm ... Etc as required.Complete as per specifications and the directions of the Engineer-in-charge	Mtr	90.00	0.00	0.00	90.00	23.08	2077.20	90.00	2077.20	
181	Supplying PVC/GI Flexible conduit pipe.. Mm dia fixing on surface over inverted wooden pugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300mm using NF screws and either end of the pie terminated Complete as per specifications and the directions of the Engineer-in-charge	Mtr	96.00	0.00	0.00	96.00	23.08	2215.68	96.00	2215.68	

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement							
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
182	Extra for supplying 4mm thick white plastic plate and covering for junction boxes of size 110mm conduit using necessary machine screws.Complete as per specifications and the directions of the Engineer-in-charge	Nos	96.00	0.00	0.00	96.00	11.54	1107.84	96.00	1107.84	
183	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 1 - 3 Way Complete as per specifications and the directions of the Engineer-in-charge	Each	76.00	16.00	1594.56	60.00	99.66	5979.60	76.00	7574.16	
184	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 4 - 5 Way Complete as per specifications and the directions of the Engineer-in-charge	Each	72.00	12.00	1321.80	60.00	110.15	6609.00	72.00	7930.80	
185	Supplying 6A flush type socket and 6 amp flush type SP switch either surface/flush mountin in existing gang box or in 4mm thik plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wire as required as per IS 1293 and IS 3654 . 6AMP 3/5 and Switch Complete as per specifications and the directions of the Engineer-in-charge	No	82.00	30.00	4154.10	52.00	138.47	7200.44	82.00	11354.54	
186	Supplying and mounting 2 Nos, of 2 Way 6amps flush type switches either surface/flush mounted on existing gang box or in 4mm thick plastic sheet and mounted on a flusg mounted wooden box and wiring as per IS 1293 Complete as per specifications and the directions of the Engineer-in-charge	Each	70.00	0.00	0.00	70.00	157.35	11014.50	70.00	11014.50	
187	Supplying and mounting 2 Nos, of 2 Way 6amps flush type switches either surface/flush mounted on existing gang box or in 4mm thick plastic sheet and mounted on a flusg mounted wooden box and wiring as per IS 1293 Complete as per specifications and the directions of the Engineer-in-charge	Each	20.00	20.00	3587.60		179.38	0.00	20.00	3587.60	

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement			Qty.	Cost	&
				Qty	Cost	Qty	Rate Rs. & P.	Cost			
188	Supply and fixing of bakelite D.P /socket/switch with/ without neon indicator over existing wood board or flush mounting in plastic plates/nitches as per IS 1293 and IS 3854 Complete as per specifications and the directions of the Engineer-in-charge	No	24.00	20.00	4070.20	4.00	203.51	814.04	24.00	4884.24	
189	Supply and fixing of bakelite D.P /socket/switch with/ without neon indicator over existing wood board or flush mounting in plastic plates/nitches as per IS 1293 and IS 3854 Electronic stepped regulator. Complete as per specifications and the directions of the Engineer-in-charge	No	15.00	15.00	3320.10		221.34	0.00	15.00	3320.10	
190	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694 confirming to latest amendments 1.5sqmm Complete as per specifications and the directions of the Engineer-in-charge	Rm	231.20	0.00	0.00	231.00	21.03	4857.93	231.00	4857.93	
191	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694 confirming to latest amendments 2.5sqmm Complete as per specifications and the directions of the Engineer-in-charge	Rm	331.20	100.00	3357.00	231.00	33.57	7754.67	331.00	11111.67	
192	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694 confirming to latest amendments 4sqmm Complete as per specifications and the directions of the Engineer-in-charge	Mtr	60.00	60.00	2832.60		47.21	0.00	60.00	2832.60	

Sl. No.	Description of work	Unit	BOQ Quantity	Previous [illegible]					[illegible]		
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	[illegible]	
193	Supplying and fixing Metal Fan Box with Round Hook Complete as per specifications and the directions of the Engineer-in-charge	Each	21.00	15.00	1337.55	6.00	89.17	535.02	21.00	1872.57	
194	Supplying and fixing of Group A, regular MCB distribution boards on wall/woodboard/flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB'S single phase/ 3 phase / single door with powder coated painting made out of SWG MS enclosute 12 way SP & N Complete as per specifications and the directions of the Engineer-in-charge	Nos	3.00	1.00	1269.29	2.00	1269.29	2538.58	3.00	3807.87	
195	Supply and fixing miniature circuit breakers on the existing MCB distribution boards using necessary fixing meterials and "C" type curve, Indiator ON/OFF energy cross -3 with as required confirming to IEC 60898 5-32 AMPS DP Complete as per specifications and the directions of the Engineer-in-charge	Nos	4.00	1.00	953.54	3.00	953.54	2860.62	4.00	3814.16	
196	Supplying, fixing and wiring earth electrode for grounding conduits , I.C. cutouts and others equipments on the meter board using 40mm dia 2.90mm long buried in a pit.. the pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit ect, is to be established through GI wire of size as ISI specification 7.3.3 of IS 732 using 12mm dia bolt, nut, washers and check nuts ect... the pipe shall have 16 through holes of 122mm dia,Complete as per specifications and the directions of the Engineer-in-charge	No	1.00	1.00	3146.69		3146.69	0.00	1.00	3146.69	
197	Supplying and fixing Trivector meter suitable for operation LT operation and CT operated meter in polycarbonate body in class 0.5accuracy as per IS 14697 and completely wired	Each	2.00	2.00	7657.70		3828.85	0.00	2.00	7657.70	

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement					
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
198	Supplying, fixing and wiring earth electrode for grounding conduits , I.C. cutouts and others equipments on the meter board using 40mm dia 2.90mm long buried in a pit.. the pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit ect, is to be established through GI wire of size as ISI specification 7.3.3 of IS 732 using 12mm dia bolt, nut, washers and check nuts ect... the pipe shall have 16 through holes of 122mm dia,	No	1.00	0.00	0.00	1.00	3146.69	3146.69	1.00	3146.69	
199	Supplying and running of GI/ copper strips for grounding connections, using necessary fixing materials as required.25 x 3mm G.I strip Complete as per specifications and the directions of the Engineer-in-charge	Mtr	70.00	20.00	1573.60	50.00	78.68	3934.00	70.00	5507.60	
200	Supply Exhaust fan if 1440 RPM of (12") size with dracket blades complete for light duty suitable to -oerate on 230V 50Hz, supply complete Complete as per specifications and the directions of the Engineer-in-charge	Each	2.00	0.00	0.00	2.00	1258.80	2517.60	2.00	2517.60	
201	Supplying of .....feet - PVC Batten with integrated LED tube .....W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition. LED light fighting 1 x4'-20/22 w	Each	18.00	18.00	7080.84		393.38	0.00	18.00	7080.84	

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement							
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
202	Supplying & fixing retrofit type -PL- LED Lamp ___W LED linear source with CCT 6500 degree K, CRI> 70%. efficacy >80 lumen per watt, life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80. The LED are driven by HF electronic driver integrated in the system, with PF > 0.95, power loss should < 5% of lamp wattage., short circuit & open circuit protection to be integrated in the circuit, THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to 275 volts. Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition.8-9 Watts	Each	10.00	10.00	3671.50		367.15	0.00	10.00	3671.50	
203	Suppiying and fixing of slim box Fitting ,made out of CRCA sheet metal body with locking type holder completely wired Excluding Ballast &Flouresent Tube. 1X4' Tube light Fitting Complete as per specifications and the directions of the Engineer-in-charge	Nos	50.00	0.00	0.00	50.00	314.70	15735.00	50.00	15735.00	
204	Supplying capacitor type ceiling fan complete with down rod blades shackle, canopies etc, for operation on 230 volts, 50 cycles. single phase AC supply conforming to ISS-374-1979 and with double ball bearing system 48" sweep (1200mm) Complete as per specifications and the directions of the Engineer-in-charge	Each	37.00	15.00	32886.15	22.00	2192.41	48233.02	37.00	81119.17	

AE-02

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement							
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
205	Supply and Installation / Fixing / Provision of Outdoor type Thermoplastic Modular Panel enclosure with transparent Polycarbonate Lid, shock proof, IP65 (Weather Proof), rust proof, dust proof, water proof, corrosion proof having internally Embedded gasket on both lid and flap suitable to fix Single Phase / Three Phase Energy Meter in suitable base plate and having a provision for Fuse / MCB cutout with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING faciility.600mmX600mmX170mm	Sq.cms	1.00	1.00	12672.97		12672.97	0.00	1.00	12672.97	
206	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc.,and painted with 2 coats of red oxide and then two coats of approved paint (49/6.39)75x75x6mm	Mtr	4.00	4.00	1993.12		498.28	0.00	4.00	1993.12	
207	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc.,and painted with 2 coats of red oxide and then two coats of approved paint (49/6.39)75x150x50x6mm C channel	Mtr	4.00	4.00	2719.00		679.75	0.00	4.00	2719.00	
208	Supplying and Fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete, protection of Overload and Short circuit with thermal Magnetic/Microprocessed release and Earth Fault as per IS-13947 (icu =Ics) (53/4.12) 63/100Amps 25kA	Each	1.00	1.00	6093.64		6093.64	0.00	1.00	6093.64	
209	Supplying and fixing Trivector meter suitable for operation LT operation and CT operated meter in polycarbonate body in class 0.5accuracy as per IS 14697 and completely wired	Each	1.00	1.00	3963.12		3963.12	0.00	1.00	3963.12	
210	Supplying, fixing and wiring 50/5 to 1000/5Amps 5VA burden Current Transformer Class 0.5 accuracy with Tape Wound (48/6.32)	Each	2.00	2.00	1510.56		755.28	0.00	2.00	1510.56	

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement							
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
211	Supplying of 1.1 KV LT UG cable having aluminium conductor PVC insulated, extruded inner sheathed, galvanised, steel strip (except 2Cx 10Sq.mm wire armoured) Confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheated armoured cable with specified IS-1554 Part-1:1998 & confirming to the attached GTP of GROUP-A. (62/7.4) 4 core 16 sqmm	Mtr	30.00	30.00	4720.50		157.35	0.00	30.00	4720.50	
212	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. In existing trench/duct. (68/7.8)25 sqmm to 75 sqmm	Mtr	30.00	30.00	487.80		16.26	0.00	30.00	487.80	
213	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. In existing trench/duct. (68/7.8)300 sqmm 400 sqmm	Mtr	30.00	30.00	1007.10		33.57	0.00	30.00	1007.10	
214	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.(64/7.21) 25 sqmm Long Barrel	Each	8.00	8.00	172.80		21.60	0.00	8.00	172.80	
215	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.(64/7.21) 300 sqmm Long Barrel	Each	8.00	8.00	2836.48		354.56	0.00	8.00	2836.48	
216	Supplying and fiixing of heavy duty cable glands suitable for UG cable of 1.1 KV class (metal only) (69/7.14) 50mm dia	Each	8.00	8.00	2140.00		267.50	0.00	8.00	2140.00	
217	Supplying and fiixing of heavy duty cable glands suitable for UG cable of 1.1 KV class (metal only) (69/7.14) 75mm dia	Each	4.00	4.00	2081.20		520.30	0.00	4.00	2081.20	
218	Digging of trench of 0.6m deep x 0.50 mtr wide refiling the trench to the required ground level and consolidating. (68/7.9) In soil (hard)	Mtr	20.00	20.00	2223.80		111.19	0.00	20.00	2223.80	
219	Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class. (68/7.12) 40mm	Mtr	5.00	5.00	1809.55		361.91	0.00	5.00	1809.55	

ARE-02

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present					
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
220	Providing and fixing white vitreous china clay, water closet europeon type (pedestal type, p-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level,P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets , 40mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design,painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour Complete as per specifications and the directions of the Engineer-in-charge	Each	12.00	2.00	11229.50	10.00	5614.75	56147.50	12.00	67377.00	
221	Providing and fixing white vitreous china clay,flat back wash basin size 630x450mm with a Single 15mm C.P brass pillar taps with C.I / M.S brackets ,32mm C.P brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour Complete as per specifications and the directions of the Engineer-in-charge	Unit	9.00			7.00					
	Qty Upto 125%	Unit	8.75	2.00	7135.14	6.75	3567.57	24081.10	8.75	31216.24	
	Qty above 125%	Unit	0.25	0.00	0.00	0.25	3567.57	891.89	0.25	891.89	
222	Providing and fixing white vitreous china clay,flat back or half stall urinal basin of size 580x380x350mm in the range of two with 7.5 litres P.V.C automatic flushing cistern, C.I / M.S brackets ,standard flush pipe and C.P brass spreaders with brass unions and G.I clamps, C.I trap with outlet grating and other couplings in C.P brass, painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour Complete as per specifications and the directions of the Engineer-in-charge	Unit	8.00	1.00	9146.06	7.00	9146.06	64022.42	8.00	73168.48	

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement							
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
223	Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour Complete as per specifications and the directions of the Engineer-in-charge	Unit	3.00			1.00					
	Qty Upto 125%	Unit	2.50	2.00	2574.00	0.50	1287.00	643.50	2.50	3217.50	
	Qty above 125%	Unit	0.50	0.00	0.00	0.50	1287.00	643.50	0.50	643.50	
224	Providing and fixing C.P brass towel rail 740mm length, 20mm dia with C.P brackets, fixed to wooden cleats with C.P brass screws including cost of materials, labour Complete as per specifications and the directions of the Engineer-in-charge	Unit	8.00			6.00					
	Qty Upto 125%	Unit	7.50	2.00	1674.46	5.50	837.23	4604.77	7.50	6279.23	
	Qty above 125%	Unit	0.50	0.00	0.00	0.50	837.23	418.62	0.50	418.62	
225	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia.Complete as per specifications and the directions of the Engineer-in-charge	Each	30.00	4.00	679.76	26.00	169.94	4418.44	30.00	5098.20	
226	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications.For Rain water pipe.Complete as per specifications and the directions of the Engineer-in-charge - do - 110 mm dia	m	115.00	20.00	9833.80	95.00	491.69	46710.55	115.00	56544.35	
227	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications.For Rain water pipe.Complete as per specifications and the directions of the Engineer-in-charge - do - 160 mm dia	m	35.00			35.00	966.38	33823.30	35.00	33823.30	

AE-02

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement					
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
228	Constructing brick masonry inspection chamber 600x600mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 600x600mm and 450mm depth (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 600x600mm. Complete as per specifications and the directions of the Engineer-in-charge	Nos.	3.00			3.00	9618.49	28855.47	3.00	28855.47	
229	Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 3000 Litre capacity) Complete as per specifications and the directions of the Engineer-in-charge	Each	1.00			1.00	23206.73	23206.73	1.00	23206.73	
230	Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads Complete as per specifications and the directions of the Engineer-in-charge	Each	25.00			25.00	196.00	4900.00	25.00	4900.00	

Sl. No.	Description of work	Unit	BOQ Quantity	Previous Measurement		Present Measurement			Total UP-to-date		Remarks
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
231	Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads Complete as per specifications and the directions of the Engineer-in-charge	Each	16.00			16.00	159.74	2555.84	16.00	2555.84	
232	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads Complete as per specifications and the directions of the Engineer-in-charge	Each	3.00			3.00	380.66	1141.98	3.00	1141.98	
233	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) Complete as per specifications and the directions of the Engineer-in-charge	m	300.00			300.00	266.24	79872.00	300.00	79872.00	
	Sub Total Amount				81043877.97			7917621.68		88961499.64	
	Add 12.0% towards GST Charges				9725265.36			950114.60		10675379.96	
	Grand Total Amount				90769143.32			8867736.28		99636879.60	

Certificate

1 The above work has been Completed satisfactorily
2 The debris has been removed and disposed from the work spot.
3 No. departmental issues are made to the contractor

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka. Bangalore